

## SEQUENCE LISTING

<110> Bayer AG, BHC

<120> Diagnostics and Therapeutics for Diseases Associated with Human G-Protein Coupled Receptor 14 (GPR14)

<130> Le A 36 365

<160> 5

<170> PatentIn version 3.1

<210> 1

<211> 1170

<212> DNA

<213> Homo sapiens

<400> 1	
atggcgctga cccccgagtc cccgagcagc ttccctgggc tggccgccac cggcagctct	60
gtgccggagc cgcctggcg ccccaacgca accctcaaca gctcctggc cagcccacc	120
gagcccagct ccctggagga cctgggtggcc acgggacca ttgggactct gctgtcgcc	180
atgggcgtgg tgggcgtgg tggcaacgccc tacacgctgg tggcacctg cgcgtccctg	240
cgtgcggtgg cctccatgtt cgtctacgtt gtcaacctgg cgctggccga cctgctgtac	300
ctgctcagca tccccttcat cgtggccacc tacgtcacca aggagtggca cttcgggac	360
gtgggctgcc gcgtgcttt cggcctggac ttccctgacca tgcacgcccag catcttcacg	420
ctgaccgtca tgagcagcga gcgcgtacgtt gcgggtgtgc gggcgtggc caccgtgcag	480
cgccccaaagg gctaccgcaa gctgctggcg ctgggcaccc ggctgctggc gctgctgtg	540
acgctgcccgg tggatgctggc catgcggctt gtgcggccgg gttcccaagag cctgtgcctt	600
ccccgcctggg gccccgcgc ccaccgcgc tacctgacgc tgctttcgc caccagcatc	660
gcggggcccg ggctgctcat cgggctgctt tacgcgcgc tgccgcgc ctaccgcgc	720
tcgcagcgcg cctccattaa gcggggcccg cggccgggg cgcgcgcgc ggcctgggt	780
ctgggcatttt tgctgctttt ctgggcctgc ttccctgcctt tctggctgtt gcagctgctt	840
gccccatgtacc accaggcccc gctggcgccg cggacggcgc gcatcgtcaa ctacctgacc	900
acctgcctca cctacggcaa cagctgcgc aacccttcc tctacacgct gctcaccagg	960
aactaccgcg accacctgcg cggccgcgtt cggggcccg gcagcgggg aggccgggg	1020
cccgttccct ccctgcagcc cgcgcgcgc ttccagcgtt gttcggccg ctccctgtct	1080
tcctgcagcc cacagccac tgacagcctc gtgctggccc cagcggccccc ggccgcacct	1140
gcggccgagg gtcccaaggc cccggcgtga	1170

<210> 2  
<211> 389  
<212> PRT  
<213> Homo sapiens

<400> 2

Met Ala Leu Thr Pro Glu Ser Pro Ser Ser Phe Pro Gly Leu Ala Ala  
1 5 10 15

Thr Gly Ser Ser Val Pro Glu Pro Pro Gly Gly Pro Asn Ala Thr Leu  
20 25 30

Asn Ser Ser Trp Ala Ser Pro Thr Glu Pro Ser Ser Leu Glu Asp Leu  
35 40 45

Val Ala Thr Gly Thr Ile Gly Thr Leu Leu Ser Ala Met Gly Val Val  
50 55 60

Gly Val Val Gly Asn Ala Tyr Thr Leu Val Val Thr Cys Arg Ser Leu  
65 70 75 80

Arg Ala Val Ala Ser Met Tyr Val Tyr Val Val Asn Leu Ala Leu Ala  
85 90 95

Asp Leu Leu Tyr Leu Leu Ser Ile Pro Phe Ile Val Ala Thr Tyr Val  
100 105 110

Thr Lys Glu Trp His Phe Gly Asp Val Gly Cys Arg Val Leu Phe Gly  
115 120 125

Leu Asp Phe Leu Thr Met His Ala Ser Ile Phe Thr Leu Thr Val Met  
130 135 140

Ser Ser Glu Arg Tyr Ala Ala Val Leu Arg Pro Leu Asp Thr Val Gln  
145 150 155 160

Arg Pro Lys Gly Tyr Arg Lys Leu Leu Ala Leu Gly Thr Trp Leu Leu  
165 170 175

Ala Leu Leu Leu Thr Leu Pro Val Met Leu Ala Met Arg Leu Val Arg  
180 185 190

Arg Gly Pro Lys Ser Leu Cys Leu Pro Ala Trp Gly Pro Arg Ala His  
195 200 205

Arg Ala Tyr Leu Thr Leu Leu Phe Ala Thr Ser Ile Ala Gly Pro Gly  
210 215 220

Leu Leu Ile Gly Leu Leu Tyr Ala Arg Leu Ala Arg Ala Tyr Arg Arg  
225 230 235 240

Ser Gln Arg Ala Ser Phe Lys Arg Ala Arg Arg Pro Gly Ala Arg Ala  
245 250 255

Leu Arg Leu Val Leu Gly Ile Val Leu Leu Phe Trp Ala Cys Phe Leu  
260 265 270

Pro Phe Trp Leu Trp Gln Leu Leu Ala Gln Tyr His Gln Ala Pro Leu  
275 280 285

Ala Pro Arg Thr Ala Arg Ile Val Asn Tyr Leu Thr Thr Cys Leu Thr  
290 295 300

Tyr Gly Asn Ser Cys Ala Asn Pro Phe Leu Tyr Thr Leu Leu Thr Arg  
305 310 315 320

Asn Tyr Arg Asp His Leu Arg Gly Arg Val Arg Gly Pro Gly Ser Gly  
325 330 335

Gly Gly Arg Gly Pro Val Pro Ser Leu Gln Pro Arg Ala Arg Phe Gln  
340 345 350

Arg Cys Ser Gly Arg Ser Leu Ser Ser Cys Ser Pro Gln Pro Thr Asp  
355 360 365

Ser Leu Val Leu Ala Pro Ala Ala Pro Ala Arg Pro Ala Pro Glu Gly  
370 375 380

Pro Arg Ala Pro Ala  
385

<210> 3

<211> 21

<212> DNA

<213> Homo sapiens

<400> 3

tggcctccat gtacgtctac g

21

<210> 4

<211> 21

<212> DNA

<213> Homo sapiens

<400> 4

gaagtgccac tccttggta c

21

<210> 5

<211> 24

<212> DNA

<213> Homo sapiens

<400> 5

cctgctcagc atccccttca tcgt

24